

L Number	Hits	Search Text	DB	Time stamp
1	45	vector same ires same (GFP or egfp or green adj1 fluorescen\$5)	USPAT	2003/09/03 07:21
2	1	"6316181"	USPAT	2003/09/03 07:21

STN Columbus

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Feb 24	PCTGEN now available on STN
NEWS	4	Feb 24	TEMA now available on STN
NEWS	5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	6	Feb 26	PCTFULL now contains images
NEWS	7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	8	Mar 24	PATDPAFULL now available on STN
NEWS	9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	10	Apr 11	Display formats in DGENE enhanced
NEWS	11	Apr 14	MEDLINE Reload
NEWS	12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	13	AUG 22	Indexing from 1927 to 1936 added to records in CA/CAPLUS
NEWS	14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	15	Apr 28	RDISCLOSURE now available on STN
NEWS	16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	18	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	19	May 19	Simultaneous left and right truncation added to WSCA
NEWS	20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS	22	Jun 06	PASCAL enhanced with additional data
NEWS	23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS	24	Jun 25	HSDB has been reloaded
NEWS	25	Jul 16	Data from 1960-1976 added to RDISCLOSURE
NEWS	26	Jul 21	Identification of STN records implemented
NEWS	27	Jul 21	Polymer class term count added to REGISTRY
NEWS	28	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS	29	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS	30	AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS	31	AUG 15	PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS	32	AUG 15	PCTGEN: one FREE connect hour, per account, in September 2003
NEWS	33	AUG 15	RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS	34	AUG 15	TEMA: one FREE connect hour, per account, in September 2003
NEWS	35	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS	36	AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS	37	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS	38	AUG 18	Simultaneous left and right truncation added to ANABSTR
NEWS EXPRESS			April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items

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NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:27:10 ON 02 SEP 2003

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'USPATFULL' ENTERED AT 11:27:28 ON 02 SEP 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 2 Sep 2003 (20030902/PD)
FILE LAST UPDATED: 2 Sep 2003 (20030902/ED)
HIGHEST GRANTED PATENT NUMBER: US6615408
HIGHEST APPLICATION PUBLICATION NUMBER: US2003163860
CA INDEXING IS CURRENT THROUGH 2 Sep 2003 (20030902/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 2 Sep 2003 (20030902/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2003
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
>>> <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (GFP or green (w) fluorescen?)
 4823 GFP
 201778 GREEN
 126417 FLUORESCEN?
 8484 GREEN (W) FLUORESCEN?
L1 9277 (GFP OR GREEN (W) FLUORESCEN?)

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=> s 11 (p) (IRES or internal (w) ribosom?)

1354 IRES
869057 INTERNAL
22413 RIBOSOM?

L2 267 L1 (P) (IRES OR INTERNAL (W) RIBOSOM?)

=> s 12 (p) (vector# or plasmid# or DNA or nucleic)

162605 VECTOR#
50692 PLASMID#
88696 DNA
66166 NUCLEIC

L3 238 L2 (P) (VECTOR# OR PLASMID# OR DNA OR NUCLEIC)

=> s 13 (p) stem

134725 STEM

L4 7 L3 (P) STEM

=> d 1-7 ti

L4 ANSWER 1 OF 7 USPATFULL on STN

TI STAT3 activated stem cell

L4 ANSWER 2 OF 7 USPATFULL on STN

TI Expression of foreign genes from plant virus vectors

L4 ANSWER 3 OF 7 USPATFULL on STN

TI Isolation and use of solid tumor stem cells

L4 ANSWER 4 OF 7 USPATFULL on STN

TI Highly efficient gene transfer into human repopulating stem cells by RD114 pseudotyped retroviral vector particles

L4 ANSWER 5 OF 7 USPATFULL on STN

TI Method of assaying for RNA: protein interactions

L4 ANSWER 6 OF 7 USPATFULL on STN

TI Regulation of hematopoietic stem cell differentiation by the use of human mesenchymal stem cells

L4 ANSWER 7 OF 7 USPATFULL on STN

TI Gene trap vectors

=> d 7 bib kwic

L4 ANSWER 7 OF 7 USPATFULL on STN

Full Text

AN 2001:93699 USPATFULL

TI Gene trap vectors

IN Tessier-Lavigne, Marc, San Francisco, CA, United States

Skarnes, William C., Berkeley, CA, United States

Mitchell, Kevin, Albany, CA, United States

Leighton, Philip A., San Francisco, CA, United States

PA The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

PI US 6248934 B1 20010619

AI US 1998-191652 19981113 (9)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Martin, Jill D.

LREP Osman, Richard Aron

STN Columbus

CLMN Number of Claims: 22
 ECL Exemplary Claim: 1
 DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
 LN.CNT 719

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . reporter. Specific expression of the targeted gene product is achieved using a binary system. In this case the gene trap **vectors** comprise a polynucleotide comprising promoterless selectable marker and transcription factor encoding sequences, optionally operatively joined to a functional **internal ribosome-entry site (IRES)**. Whereupon transfer into the embryonic **stem** cell and integration of the polynucleotide into a gene of the cell, the cell expresses the selectable marker and the . . . may be expressed by these methods. For example, it may be desired to label the expressing neuron, e.g. with **PLAP**, **GFP**, etc. Alternatively, it may be desired to modify or even kill the expressing neuron, e.g. with a neuron growth or. . .

=> d 2-6 bib kwic

L4 ANSWER 2 OF 7 USPATFULL on STN

Full Text

AN 2003:70943 USPATFULL
 TI Expression of foreign genes from plant virus vectors
 IN Santa-Cruz, Simon, West Sussex, UNITED KINGDOM
 Pogue, Gregory P., Vacaville, CA, UNITED STATES
 Toth, Rachel L., Fife, UNITED KINGDOM
 Chapman, Sean, Fife, UNITED KINGDOM
 Carr, Fiona, Fife, UNITED KINGDOM
 PI US 2003049228 A1 20030313
 AI US 2001-758962 A1 20010109 (9)
 DT Utility
 FS APPLICATION
 LREP HOWREY SIMON ARNOLD WHITE, LLP, BOX 34, 301 RAVENSWOOD AVE., MENLO
 PARK, CA, 94025
 CLMN Number of Claims: 52
 ECL Exemplary Claim: 1
 DRWN 4 Drawing Page(s)
 LN.CNT 1032

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD [0056] Potato virus X (PVX)-based **vector** constructs were generated to investigate the use of an **internal ribosome entry site (IRES)** sequence to direct translation of a viral gene. An **IRES** sequence from a crucifer-infecting strain of tobacco mosaic virus was used to direct expression of the PVX CP. The **IRES** was inserted downstream of the gene encoding **GFP** and upstream of the PVX CP, in either sense or antisense orientation, such that CP expression depended on ribosome recruitment to the **IRES**. **Stem** loop structures were inserted at either the 3'-or 5'-end of the **IRES** sequence to investigate its mode of action. In vitro RNA transcripts were inoculated to *Nicotiana benthamiana* plants and protoplasts, levels of **GFP** and CP expression were analysed by ELISA and the rate of virus cell-to-cell movement was determined by confocal laser scanning microscope imaging of **GFP** expression. PVX CP was expressed, allowing cell-to-cell movement of virus, from constructs containing the **IRES** sequence in either sense or antisense orientation, and from the construct containing a **stem** loop structure at the 5'-end of the **IRES** sequence. No CP was expressed from a construct containing a **stem** loop at the 3'-end of the **IRES** sequence. Our results suggest that the **IRES** sequence is acting in vivo to direct expression of the 3'-proximal ORF in a bicistronic mRNA thereby demonstrating the potential of employing **IRES** sequences for the expression of foreign proteins from plant virus-based **vectors**.

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DETD [0087] In the clone pTXS.GFP-HIRES-CP, sequence encoding a **stem** loop structure ($\Delta G = -90$ kcal/mol), was inserted between the 3'-end of the **GFP** gene and the 5'-end of the IRES sequence, in order to block leaky scanning of ribosomes through the **gfp** gene. In pTXS.GFP-IRESH-CP the **stem** loop structure described above was positioned between the 3' end of the IRES sequence and the CP coding sequence, in order to block scanning ribosomes and prevent translation of the CP. Thus, if the crTMV-derived sequence was acting as an IRES, the introduction of the **stem** loop at the 3'-end but not the 5'-end of the IRES would be expected to block CP expression. In the **plasmid** pTXS.GFP-SERI-CP, the IRES was placed in the opposite orientation in the expectation that IRES activity would be blocked and CP expression would not occur.

L4 ANSWER 3 OF 7 USPATFULL on STN

Full Text

AN 2002:221424 USPATFULL
 TI Isolation and use of solid tumor stem cells
 IN Clarke, Michael F., Ann Arbor, MI, UNITED STATES
 Morrison, Sean J., Ann Arbor, MI, UNITED STATES
 Wicha, Max S., Ann Arbor, MI, UNITED STATES
 Al-Hajj, Muhammad, Ann Arbor, MI, UNITED STATES
 PA Regents of the University of Michigan, Ann Arbor, MI, UNITED STATES,
 48109-1280 (U.S. corporation)
 PI US 2002119565 A1 20020829
 AI US 2001-920517 A1 20010801 (9)
 PRAI US 2000-222794P 20000803 (60)
 US 2000-240317P 20001013 (60)
 DT Utility
 FS APPLICATION
 LREP John Prince, McDermott, Will Emery, 28 State Street, Boston, MA,
 02109-1775
 CLMN Number of Claims: 185
 ECL Exemplary Claim: 1
 DRWN 22 Drawing Page(s)
 LN.CNT 4837

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . genes that emerge from the microarray analysis can be performed. Full-length cDNAs are isolated and cloned into a retroviral expression vector. Breast cancer cell lines and breast cancer **stem** cells isolated from the five xenograft tumors are infected in vitro and the effect of the retroviral transgene on self-renewal and tumorigenicity is assayed relative to clones infected with a control vector. The transgene is expressed as a bicistronic message that contains **IRES-GFP**. This allows identification of transduced cells via FACS or fluorescent microscopy. The effect of the transgene on Notch signaling is. . .

L4 ANSWER 4 OF 7 USPATFULL on STN

Full Text

AN 2001:229423 USPATFULL
 TI Highly efficient gene transfer into human repopulating stem cells by RD114 pseudotyped retroviral vector particles
 IN Kelly, Patrick F., Cordova, TN, United States
 Vanin, Elio F., Memphis, TN, United States
 PA St. Jude Children's Research Hospital (U.S. corporation)
 PI US 2001051375 A1 20011213
 AI US 2001-801302 A1 20010307 (9)
 PRAI US 2000-187534P 20000307 (60)
 DT Utility
 FS APPLICATION
 LREP DARBY DARBY P.C., 805 Third Avenue, New York, NY, 10022

STN Columbus

CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1956

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD [0089] Retroviral vector preparations. Vector particles pseudotyped with the feline endogenous virus (RD114) envelope protein were derived by generating producer cells from a packaging cell. . . the envelope protein of the RD114 virus. We derived producer cells from the FLYRD18 packaging cell line by introducing a vector genome (MGirL22Y) that encodes the enhanced green fluorescent protein (EGFP) and a drug resistant variant of human dihydrofolate reductase (L22Y) (Allay et al., Nat. Med., 1998, 4:1136-1143; Persons et al., Nat. Med., 1998, 4:1201-1205). The reading frames for these proteins are separated by an internal ribosomal entry site and transcribed into a bicistronic transcript under the control of the mouse stem cell virus (MSCV) long terminal repeat (LTR) (Cheng et al, Gene Therapy, 1997, 4:1013-1022). The transduced FLYRD114 cells were selected. . . described (Allay et al., supra; Persons et al., supra). Individual clones were recovered by limiting dilution and their capacity for vector production was determined by assaying serial dilutions of conditioned medium on human HeLa cells and a high titer clone designated. . . clone derived from 293T cells (Ory et al., 1996, Proc. Natl. Acad. Sci. USA, 93:11400-11406) using the techniques described above. Vector preparations were screened for replication-competent virus by a marker rescue assay using HeLa (ATCC Accession No. CCL 2) or K562 (ATCC Accession No. ATCC CCL 243) cells which contained an integrated vector genome encoding neomycin resistance (G1NA).

L4 ANSWER 5 OF 7 USPATFULL on STN

Full Text

AN 2001:112041 USPATFULL
TI Method of assaying for RNA: protein interactions
IN Cullen, Bryan R., Durham, NC, United States
Blair, Wade S., Clinton, CT, United States
PA Duke University, Durham, NC, United States (U.S. corporation)
PI US 6261772 B1 20010717
AI US 1999-239523 19990129 (9)
PRAI US 1998-73224P 19980130 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Yucel, Remy
LREP Nixon Vanderhye P.C.
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN 19 Drawing Figure(s); 16 Drawing Page(s)
LN.CNT 1635

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . is close to the LTR, accordingly it is preferably that this be a minimal RNA target); iii) a control RNA stem-loop target sequence (e.g., the RRE stem-loop II target for Rev or the cloverleaf stem-loop target for poliovirus 3C) advantageously inserted immediately 3' to the RNA target sequence (this serves as a control to: (a). . . the construct is functional, and (b) identify transfected cells that can be activated by Tat fusion proteins); iv) optionally an IRES, and v) an indicator gene (e.g., one suitable for use in a FACS analysis--preferably, GFP or, alternatively, a cell surface marker (e.g.: Thy 1, CD4 or CD8). After insertion of the RNA target encoding sequence, . . . sample of each colony with a construct expressing, for example, a Tat-Rev fusion protein (if the reporter constructs contains RRE stem-loop II) or a 3C-eTat fusion (if the reporter construct contains the poliovirus RNA cloverleaf). A highly responsive clone can

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be identified by FACS analysis for, for example, **GFP** expression. Once a maximally reactive clone is identified, the screen can be carried out. For this purpose, an oligo dT. . . effector fusion expression approaches can be used. In one case, the fusions proteins can simply be expressed using an expression **plasmid**. In a preferred method, however, the effector construct is present in a transduction **vector** (e.g. a murine leukemia virus retroviral transduction **vector**). In either case, the fusion protein expression library (consisting of, for example, ≥107 individual clones) can be introduced into cultures. . . protein present in the selected cells can be recovered, for example, by polymerase chain reaction using primers specific for the **vector** backbone, and the encoded protein can be analyzed in vitro and in vivo for its ability to specifically interact with. . .

L4 ANSWER 6 OF 7 USPATFULL on STN

Full Text

AN 2001:102622 USPATFULL
 TI Regulation of hematopoietic stem cell differentiation by the use of human mesenchymal stem cells
 IN Thiede, Mark A., Forest Hill, MD, United States
 Mbalaviele, Gabriel, Columbia, MD, United States
 PA Osiris Therapeutics, Inc., Baltimore, MD, United States (U.S. corporation)
 PI US 6255112 B1 20010703
 AI US 1999-327796 19990608 (9)
 PRAI US 1998-88431P 19980608 (60)
 US 1998-99233P 19980904 (60)
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Brusca, John S.; Assistant Examiner: Ousley, Andrea
 LREP Olstein, Elliot M., Lillie, Raymond J.
 CLMN Number of Claims: 14
 ECL Exemplary Claim: 5
 DRWN 10 Drawing Figure(s); 11 Drawing Page(s)
 LN.CNT 886
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 DETD Transduction of CD34+ cells The construction of the retroviral **vector** MGIN expressing enhanced **green fluorescent** protein (EGFP) gene and the production of the retroviral supernatants has been previously reported (Cheng et al., 1997). Briefly, MGIN is a murine embryonic **stem** cell virus-based **vector** containing EGFP gene and the **internal ribosome** entry site (IRES). Amphotropic supernatants produced by PA317 packaging cells were made from selected producers after infection by BOSC23 ecotropic viral stocks. For transduction, previously frozen **vector** supernatants were mixed at a 1:1 ratio with medium containing CD34+ cells in the presence of 8 µg/ml polybrene (Sigma, St. Louis, Mo.), interleukin-3 (IL-3) and IL-6 (10 ng/ml, each), **stem** cell factor (SCF) and Flk2 (FL) (100 ng/ml, each). Control cells were transduced with non-EGFP-expressing **vector**. The transduction mixture was then centrifuged at 1800 g at 32-35° C. After a 4-hour "spinoculation," cells were washed once. . .

=> file medline

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
11.63	11.84

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 11:30:26 ON 02 SEP 2003

FILE LAST UPDATED: 30 AUG 2003 (20030830/UP). FILE COVERS 1958 TO DATE.

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On April 13, 2003, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2003 vocabulary. See <http://www.nlm.nih.gov/mesh/changes2003.html> for a description on changes.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s cheng?/au and egfp
      16643 CHENG?/AU
      1213 EGFP
```

```
L5      5 CHENG?/AU AND EGFP
```

```
=> d 1-5 ti
```

```
L5      ANSWER 1 OF 5      MEDLINE on STN
```

```
TI      Molecular identification of Rab7 (ApRab7) in Aiptasia pulchella and its
exclusion from phagosomes harboring zooxanthellae.
```

```
L5      ANSWER 2 OF 5      MEDLINE on STN
```

```
TI      In vitro phenotypic correction of hematopoietic progenitors from Fanconi
anemia group A knockout mice.
```

```
L5      ANSWER 3 OF 5      MEDLINE on STN
```

```
TI      Characterization, expression and complex formation of the murine Fanconi
anaemia gene product Fancg.
```

```
L5      ANSWER 4 OF 5      MEDLINE on STN
```

```
TI      Cloning and characterization of a novel nuclear Bcl-2 family protein,
zfMcl-1a, in zebrafish embryo.
```

```
L5      ANSWER 5 OF 5      MEDLINE on STN
```

```
TI      Ex vivo culture of cord blood CD34+ cells expands progenitor cell numbers,
preserves engraftment capacity in nonobese diabetic/severe combined
immunodeficient mice, and enhances retroviral transduction efficiency.
```

```
=> d 1-5 bib
```

```
L5      ANSWER 1 OF 5      MEDLINE on STN
```

```
Full Text
```

```
AN      2003379062      IN-PROCESS
```

```
DN      22796212      PubMed ID: 12914791
```

```
TI      Molecular identification of Rab7 (ApRab7) in Aiptasia pulchella and its
exclusion from phagosomes harboring zooxanthellae.
```

```
AU      Chen Ming Chyuan; Cheng Ying Min; Sung Ping Jyun; Kuo Cham En; Fang Lee
Shing
```

```
CS      Department of Planning and Research, National Museum of Marine Biology and
Aquarium, 944, ROC, Pingtung, Taiwan.
```

```
SO      BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (2003 Aug 29) 308 (3)
586-95.
```

```
Journal code: 0372516. ISSN: 0006-291X.
```

```
CY      United States
```

```
DT      Journal; Article; (JOURNAL ARTICLE)
```

```
LA      English
```

```
FS      IN-PROCESS; NONINDEXED; Priority Journals
```

```
ED      Entered STN: 20030814
```

```
Last Updated on STN: 20030814
```

```
L5      ANSWER 2 OF 5      MEDLINE on STN
```

```
Full Text
```

STN Columbus

AN 2002467339 MEDLINE
 DN 22188409 PubMed ID: 12200363
 TI In vitro phenotypic correction of hematopoietic progenitors from Fanconi anemia group A knockout mice.
 AU Rio Paula; Segovia Jose Carlos; Hanenberg Helmut; Casado Jose Antonio; Martinez Jesus; Gottsche Kerstin; **Cheng Ngan Ching**; Van de Vrugt Henri J; Arwert Fre; Joenje Hans; Bueren Juan A
 CS Hematopoietic Gene Therapy Program, Centro de Investigaciones Energeticas, Medioambientales y Tecnologicas (CIEMAT)/Marcelino Botin Foundation, 22840 Madrid, Spain.
 SO BLOOD, (2002 Sep 15) 100 (6) 2032-9.
 Journal code: 7603509. ISSN: 0006-4971.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 200210
 ED Entered STN: 20020914
 Last Updated on STN: 20021026
 Entered Medline: 20021024

L5 ANSWER 3 OF 5 MEDLINE on STN

Full Text

AN 2002187417 MEDLINE
 DN 21917039 PubMed ID: 11918676
 TI Characterization, expression and complex formation of the murine Fanconi anaemia gene product Fancg.
 AU van de Vrugt Henri J; Koomen Mireille; Berns Mariska A D; de Vries Yne; Rooimans Martin A; van der Weel Laura; Blom Eric; de Groot Jan; Schepers Rik J; Stone Stacie; Hoatlin Maureen E; **Cheng Ngan Ching**; Joenje Hans; Arwert Fre
 CS Department of Clinical Genetics and Human Genetics, VU University medical centre, Van der Boechorststraat 7, NL-1081 BT Amsterdam, the Netherlands.
 SO GENES TO CELLS, (2002 Mar) 7 (3) 333-42.
 Journal code: 9607379. ISSN: 1356-9597.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AF406951; GENBANK-AF406952; GENBANK-AY049715
 EM 200208
 ED Entered STN: 20020403
 Last Updated on STN: 20020820
 Entered Medline: 20020819

L5 ANSWER 4 OF 5 MEDLINE on STN

Full Text

AN 2001111090 MEDLINE
 DN 20568743 PubMed ID: 11118352
 TI Cloning and characterization of a novel nuclear Bcl-2 family protein, zfMcl-1a, in zebrafish embryo.
 AU Chen M C; Gong H Y; **Cheng C Y**; Wang J P; Hong J R; Wu J L
 CS Laboratory of Marine Molecular Biology and Biotechnology, Institute of Zoology, Taipei, Taiwan, 115, Republic of China.
 SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (2000 Dec 20) 279 (2) 725-31.
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AF302805

STN Columbus

EM 200102
ED Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20010202

L5 ANSWER 5 OF 5 MEDLINE on STN

Full Text

AN 2000075745 MEDLINE
DN 20075745 PubMed ID: 10609654
TI Ex vivo culture of cord blood CD34+ cells expands progenitor cell numbers, preserves engraftment capacity in nonobese diabetic/severe combined immunodeficient mice, and enhances retroviral transduction efficiency.
AU Novelli E M; Cheng L; Yang Y; Leung W; Ramirez M; Tanavde V; Enger C; Civin C I
CS Department of Oncology, Johns Hopkins University School of Medicine, Baltimore, MD 21287, USA.
NC P01CA70970 (NCI)
SO HUMAN GENE THERAPY, (1999 Dec 10) 10 (18) 2927-40.
Journal code: 9008950. ISSN: 1043-0342.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200001
ED Entered STN: 20000114
Last Updated on STN: 20000114
Entered Medline: 20000106

=> d his

(FILE 'HOME' ENTERED AT 11:27:10 ON 02 SEP 2003)

FILE 'USPATFULL' ENTERED AT 11:27:28 ON 02 SEP 2003

L1 9277 S (GFP OR GREEN (W) FLUORESCEN?)
L2 267 S L1 (P) (IRES OR INTERNAL (W) RIBOSOM?)
L3 238 S L2 (P) (VECTOR# OR PLASMID# OR DNA OR NUCLEIC)
L4 7 S L3 (P) STEM

FILE 'MEDLINE' ENTERED AT 11:30:26 ON 02 SEP 2003

L5 5 S CHENG?/AU AND EGFP

=> s cheng?/au and 1997/py and green

16643 CHENG?/AU
431036 1997/PY
39233 GREEN
L6 5 CHENG?/AU AND 1997/PY AND GREEN

=> d 1-5 ti

L6 ANSWER 1 OF 5 MEDLINE on STN

TI A GFP reporter system to assess gene transfer and expression in human hematopoietic progenitor cells.

L6 ANSWER 2 OF 5 MEDLINE on STN

TI The effect of peripherin/rds haploinsufficiency on rod and cone photoreceptors.

L6 ANSWER 3 OF 5 MEDLINE on STN

TI Gene sequence and expression of an analog of proliferating cell nuclear antigen (PCNA) in the alga Tetraselmis chui and detection of the encoded protein with anti-rat PCNA monoclonal antibody.

STN Columbus

L6 ANSWER 4 OF 5 MEDLINE on STN
 TI Sequences necessary for nitrate-dependent transcription of Arabidopsis
 nitrate reductase genes.

L6 ANSWER 5 OF 5 MEDLINE on STN
 TI Clinical assessment of the bacterial load of Helicobacter pylori on
 gastric mucosa by a new multi-scaled rapid urease test.

=> d 1 bib ab

L6 ANSWER 1 OF 5 MEDLINE on STN

Full Text

AN 1998077014 MEDLINE

DN 98077014 PubMed ID: 9415306

TI A GFP reporter system to assess gene transfer and expression in human
 hematopoietic progenitor cells.

AU Cheng L; Du C; Murray D; Tong X; Zhang Y A; Chen B P; Hawley R G

CS SyStemix, Inc. Palo Alto, CA, USA.

SO GENE THERAPY, (1997 Oct) 4 (10) 1013-22.

Journal code: 9421525. ISSN: 0969-7128.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199801

ED Entered STN: 19980129

Last Updated on STN: 19980129

Entered Medline: 19980115

AB Hematopoietic stem cells are widely recognized as attractive targets for
 gene therapy but current protocols to transduce these cells using
 recombinant retroviral vectors are inefficient. To evaluate optimization
 of retroviral transduction of hematopoietic stem cells and stability of
 gene expression in their progeny, the green fluorescent protein (GFP)
 was explored as a reporter. We first improved sensitivity of detection >
 100-fold over that achieved previously by using a novel retroviral vector
 (termed MGIN) expressing a high level of an enhanced GFP gene. Primitive
 human hematopoietic cells bearing the CD34 surface antigen and lacking
 lineage differentiation markers (CD34+ Lin-) were transduced with the MGIN
 vector using a clinically applicable supernatant procedure. Under the
 conditions employed, > 75% of the target cells retained the CD34+ Lin-
 primitive phenotype after 4-5 days in culture, of those > or = 25%
 expressed a high level of GFP detectable by both flow cytometric analysis
 and fluorescence microscopy. When transduced cells were cultured in
 clonogenic progenitor assays, GFP fluorescence was readily detected in
 situ, indicating that GFP expression was stable and not detrimental to the
 differentiative potential of the transduced CD34+ Lin- cells. We conclude
 that GFP is effective as a vital marker to quantify retrovirus-mediated
 gene transfer into human hematopoietic and perhaps other types of
 stem/progenitor cells, and monitor gene expression during their subsequent
 cell lineage determinations.

=> file scisearch

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.15

13.99

FILE 'SCISEARCH' ENTERED AT 11:36:07 ON 02 SEP 2003

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STN Columbus

FILE COVERS 1974 TO 29 Aug 2003 (20030829/ED)

=> s cheng?/rau and gene therapy/rjt

'RJT' IS NOT A VALID FIELD CODE

148842 CHENG?/RAU

0 GENE THERAPY/RJT

L7 0 CHENG?/RAU AND GENE THERAPY/RJT

=> s cheng?/rau and 1997/rpy and 4/rvl

148842 CHENG?/RAU

3152164 1997/RPY

3317836 4/RVL

L8 18828 CHENG?/RAU AND 1997/RPY AND 4/RVL

=> l8 and green

L8 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s l8 and green

87162 GREEN

L9 301 L8 AND GREEN

=> l9 and py<2001

L9 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s l9 and py<2001

18896262 PY<2001

L10 146 L9 AND PY<2001

=> d 1-20 ti

L10 ANSWER 1 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Multiband modelling of quantum electron transport based on the Green function theory

L10 ANSWER 2 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI A new oxyborate crystal, GdCa4O(BO3)(3): Defects and optical properties

L10 ANSWER 3 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Detection on surfaces and in Caco-2 cells of Campylobacter jejuni cells transformed with new gfp, yfp, and cfp marker plasmids

L10 ANSWER 4 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Tea flavonoids: their functions, utilisation and analysis

L10 ANSWER 5 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Transient expression of a reporter gene changes significantly during somatic embryogenesis in alfalfa

L10 ANSWER 6 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Electronic structure of activated bleomycin: Oxygen intermediates in heme versus non-heme iron

L10 ANSWER 7 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI hNMP 200: A novel human common nuclear matrix protein combining structural and regulatory functions

STN Columbus

L10 ANSWER 8 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Full multiband simulation of quantum electron transport in resonant tunneling devices

L10 ANSWER 9 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Lentiviral gene transfer into primary and secondary NOD/SCID repopulating cells

L10 ANSWER 10 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Endothelial cells of tumor vessels: Abnormal but not absent

L10 ANSWER 11 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Improvement of the T7 expression system by the use of T7 lysozyme

L10 ANSWER 12 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Primary T lymphocytes as targets for gene therapy

L10 ANSWER 13 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Plant cell biology in the new millennium: New tools and new insights

L10 ANSWER 14 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Lentiviral vectors for enhanced gene expression in human hematopoietic cells

L10 ANSWER 15 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Functional EGFP-dystrophin fusion proteins for gene therapy vector development

L10 ANSWER 16 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Androgen deprivation induces selective outgrowth of aggressive hormone-refractory prostate cancer clones expressing distinct cellular and molecular properties not present in parental androgen-dependent cancer cells

L10 ANSWER 17 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Induction of neuronal apoptosis by thiol oxidation: Putative role of intracellular zinc release

L10 ANSWER 18 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI A transient assay for regulatory gene function in haemopoietic progenitor cells

L10 ANSWER 19 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Specific induction of glutathione S-transferase GSTM2 subunit expression by epigallocatechin gallate in rat liver

L10 ANSWER 20 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Highly efficient gene transfer into cord blood nonobese diabetic/severe combined immunodeficiency repopulating cells by oncoretroviral vector particles pseudotyped with the feline endogenous retrovirus (RD114) envelope protein

=> d 18 bib ab

L10 ANSWER 18 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
Full Text
AN 2000:779722 SCISEARCH
GA The Genuine Article (R) Number: 362AF
TI A transient assay for regulatory gene function in haemopoietic progenitor cells
AU McIvor Z J (Reprint); Heyworth C M; Johnson B A; Pearson S; Fiegler H;

STN Columbus

Hampson L; Dexter T M; Cross M A
 CS UNIV LEIPZIG, IZKF, MOL MED LAB, JOHANNISALLEE 30A, D-04103 LEIPZIG, GERMANY (Reprint); CHRISTIE HOSP NHS TRUST, PATERSON INST CANC RES, MANCHESTER M20 4BX, LANCS, ENGLAND
 CYA GERMANY; ENGLAND
 SO BRITISH JOURNAL OF HAEMATOLOGY, (SEP 2000) Vol. 110, No. 3, pp. 674-681. Publisher: BLACKWELL SCIENCE LTD, P O BOX 88, OSNEY MEAD, OXFORD OX2 ONE, OXON, ENGLAND. ISSN: 0007-1048.
 DT Article; Journal
 FS LIFE; CLIN
 LA English
 REC Reference Count: 29
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS
 AB This work aimed to provide a means of assaying directly the effects of transient expression of introduced genes on the survival, proliferation, lineage commitment and differentiation of haemopoietic progenitor cells. For this purpose, we have developed a system that allows isolation of productively transfected, multipotent haemopoietic cells within a few hours of the introduction of test genes. We have shown that FDCP-mix cells productively transfected with expression plasmids encoding **green** fluorescent protein (GFP) differentiate normally and retain colony-forming potential. We constructed an expression vector consisting of a bicistronic cassette in which a GFP marker gene and a test gene are driven from the same promoter. The vector design has been optimized for co-expression and the test gene was shown to be biologically active. The expression profile from a transiently transfected template under different growth conditions reveals that active expression continues for at least 2 d after transfection. The transient transfection of FDCP-mix cells with the vectors described provides a powerful tool for analysis of the immediate early effects of test gene overexpression during haemopoietic differentiation.

=> d his

(FILE 'HOME' ENTERED AT 11:27:10 ON 02 SEP 2003)

FILE 'USPATFULL' ENTERED AT 11:27:28 ON 02 SEP 2003

L1 9277 S (GFP OR GREEN (W)FLUORESCEN?)
 L2 267 S L1 (P) (IRES OR INTERNAL (W) RIBOSOM?)
 L3 238 S L2 (P) (VECTOR# OR PLASMID# OR DNA OR NUCLEIC)
 L4 7 S L3 (P) STEM

FILE 'MEDLINE' ENTERED AT 11:30:26 ON 02 SEP 2003

L5 5 S CHENG?/AU AND EGFP
 L6 5 S CHENG?/AU AND 1997/PY AND GREEN

FILE 'SCISEARCH' ENTERED AT 11:36:07 ON 02 SEP 2003

L7 0 S CHENG?/RAU AND GENE THERAPY/RJT
 L8 18828 S CHENG?/RAU AND 1997/RPY AND 4/RVL
 L9 301 S L8 AND GREEN
 L10 146 S L9 AND PY<2001

=> d 30-100 ti

L10 ANSWER 30 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Efficient control of gene expression by a tetracycline-dependent transactivator in single Dictyostelium discoideum cells

L10 ANSWER 31 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI A herpesvirus saimiri-based gene therapy vector with potential for use in

cancer immunotherapy

- L10 ANSWER 32 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Simulation of the soft-landing and adsorption of C-60 molecules on a graphite substrate and computation of their scanning-tunnelling-microscopy-like images
- L10 ANSWER 33 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Adeno-associated virus vectors: activity and applications in the CNS
- L10 ANSWER 34 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI **Green** fluorescent protein.
- L10 ANSWER 35 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Why FRET over genomics?
- L10 ANSWER 36 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI In vivo retroviral transduction and expression of **green** fluorescent protein
- L10 ANSWER 37 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Retroviral expression of **green** fluorescent protein
- L10 ANSWER 38 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Formation of surface tubules and fluorescent foci in Arabidopsis thaliana protoplasts expressing a fusion between the **green** fluorescent protein and the cauliflower mosaic virus movement protein
- L10 ANSWER 39 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Confocal laser scanning microscopy
- L10 ANSWER 40 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Simultaneous flow cytometric analyses of enhanced **green** and yellow fluorescent proteins and cell surface antigens in doubly transduced immature hematopoietic cell populations
- L10 ANSWER 41 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Products from the reaction of meso-tetrakis(4-halophenyl)porphyrinatomanganese(II) and hexacyanobutadiene (HCBD): Formation of pi-[HCBD] (2) (2-) dimers, mu-[HCBD] (center dot-), sigma-[HCBD] (center dot-), and [C-4(CN) (5)O] (-)
- L10 ANSWER 42 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Efficient transduction of human hematopoietic repopulating cells generating stable engraftment of transgene-expressing cells in NOD/SCID mice
- L10 ANSWER 43 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Cytoprotection of human umbilical vein endothelial cells against apoptosis and CTL-mediated lysis provided by caspase-resistant Bcl-2 without alterations in growth or activation responses
- L10 ANSWER 44 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Neodymium cations Nd³⁺ were transported to the interior of Euglena gracilis 277
- L10 ANSWER 45 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Antioxidant activity in fruits and leaves of blackberry, raspberry, and strawberry varies with cultivar and developmental stage
- L10 ANSWER 46 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Hematopoietic stem cell gene therapy: a current overview

- L10 ANSWER 47 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Orthotopic metastatic mouse models for anticancer drug discovery and evaluation: A bridge to the clinic
- L10 ANSWER 48 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI cAMP regulated membrane diffusion of a **green** fluorescent protein-aquaporin 2 chimera
- L10 ANSWER 49 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Delta hGHR, a novel biosafe cell surface-labeling molecule for analysis and selection of genetically transduced human cells
- L10 ANSWER 50 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI The molecular determinants of the efficiency of **green** fluorescent protein mutants
- L10 ANSWER 51 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Lesions to the medial preoptic area affect singing in the male European starling (*Sturnus vulgaris*)
- L10 ANSWER 52 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Use of flow cytometry to rapidly optimize the transfection of animal cells
- L10 ANSWER 53 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Allelopathy as a tool in the management of biotic resources in agroecosystems
- L10 ANSWER 54 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Subcellular compartmentalization of activation and desensitization of responses mediated by NK2 neurokinin receptors
- L10 ANSWER 55 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI The zinc finger cluster domain of RanBP2 is a specific docking site for the nuclear export factor, exportin-1
- L10 ANSWER 56 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Neural networks for the prediction and forecasting of water resources variables: a review of modelling issues and applications
- L10 ANSWER 57 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Dynamics of the nuclear lamina as monitored by GFP-tagged A-type lamins
- L10 ANSWER 58 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Antioxidants in the prevention of renal disease
- L10 ANSWER 59 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Increased gene transfer into human cord blood cells by centrifugation-enhanced transduction in fibronectin fragment-coated tubes
- L10 ANSWER 60 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Channeling contrast microscopy of GaN and InGaN thin films
- L10 ANSWER 61 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Perceptual symbol systems
- L10 ANSWER 62 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Components of vectors for gene transfer and expression in mammalian cells
- L10 ANSWER 63 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Functional determinants from Wronski **Green** functions

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- L10 ANSWER 64 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Influence of parasitism in controlling the health, reproduction and PAH body burden of petroleum seep mussels
- L10 ANSWER 65 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI The role of the 3-hydroxy 3-methylglutaryl coenzyme A reductase cytosolic domain in karmellae biogenesis
- L10 ANSWER 66 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Measurement of intracellular calcium
- L10 ANSWER 67 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Counseling cancer patients about herbal medicine
- L10 ANSWER 68 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Protamine enhances the efficiency of liposome-mediated gene transfer in a cultured human hepatoma cell line
- L10 ANSWER 69 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Toxicity of platinum(II) amino acid (N,O) complexes parallels their binding to DNA as measured in a new solid phase assay involving a fluorescent HMG1 protein construct readout
- L10 ANSWER 70 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI HIV reverse transcriptase inhibitors of natural origin
- L10 ANSWER 71 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Functional analysis of the yeast Glc7-binding protein Reg1 identifies a protein phosphatase type 1-binding motif as essential for repression of ADH2 expression
- L10 ANSWER 72 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Chromosome-mediated and direct gene transfers in wheat
- L10 ANSWER 73 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Antioxidant properties of flavonol glycosides from green beans
- L10 ANSWER 74 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Long-term cure of the photosensitivity of murine erythropoietic protoporphyria by preselective gene therapy
- L10 ANSWER 75 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Human mesenchymal stem cells promote human osteoclast differentiation from CD34(+) bone marrow hematopoietic progenitors
- L10 ANSWER 76 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Temperature of water heat treatments influences tomato fruit quality following low-temperature storage
- L10 ANSWER 77 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Enhancement of beta-globin locus control region-mediated transactivation by mitogen-activated protein kinases through stochastic and graded mechanisms
- L10 ANSWER 78 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Imaging techniques in plant transport: meeting review
- L10 ANSWER 79 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
TI Immune response to green fluorescent protein: implications for gene therapy
- L10 ANSWER 80 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

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- TI The human tumor necrosis factor (TNF) receptor-associated factor 1 gene (TRAF1) is up-regulated by cytokines of the TNF ligand family and modulates TNF-induced activation of NF-kappa B and c-Jun N-terminal kinase
- L10 ANSWER 81 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Retroviral gene transfer into human hematopoietic cells: an in vitro kinetic study
- L10 ANSWER 82 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Analysis of scleractinian distribution in Taiwan indicating a pattern congruent with sea surface temperatures and currents: Examples from Acropora and Faviidae corals
- L10 ANSWER 83 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Self-assembly of synthetic zinc chlorins in aqueous microheterogeneous media to an artificial supramolecular light-harvesting device
- L10 ANSWER 84 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Characterization and retroviral transduction of an early human lymphomyeloid precursor assayed in nonswitched long-term culture on murine stroma
- L10 ANSWER 85 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Anther and isolated microspore culture response of wheat lines from northwestern and eastern Europe
- L10 ANSWER 86 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI beta-Galactosidase marker genes to tag and track human hematopoietic cells
- L10 ANSWER 87 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Use of enhanced green fluorescent protein to optimize and quantitate infection of target cells with recombinant retroviruses
- L10 ANSWER 88 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Human immunodeficiency virus type 1 Vpr modifies cell proliferation via multiple pathways
- L10 ANSWER 89 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Prostaglandin analogues in the treatment of glaucoma
- L10 ANSWER 90 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Acyl-coenzyme A:cholesteryl acyltransferase 2
- L10 ANSWER 91 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Analytic and geometric background of recurrence and non-explosion of the Brownian motion on Riemannian manifolds
- L10 ANSWER 92 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Volume growth, Green's functions, and parabolicity of ends
- L10 ANSWER 93 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Method for green field security-constrained allocation of reactive support
- L10 ANSWER 94 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI Cyanobacterial phycobilisomes
- L10 ANSWER 95 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
- TI The interaction between cold and light controls the expression of the cold-regulated barley gene cor14b and the accumulation of the corresponding protein
- L10 ANSWER 96 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Cytotoxicity and accumulation of ganciclovir triphosphate in bystander cells cocultured with herpes simplex virus type 1 thymidine kinase-expressing human glioblastoma cells

L10 ANSWER 97 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI A comparison of survival function estimators in the Koziol-Green model

L10 ANSWER 98 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Green fluorescent protein as a selectable marker of fibronectin-facilitated retroviral gene transfer in primary human T lymphocytes.

L10 ANSWER 99 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Coloration potential, anthocyanin accumulation, and enzyme activity in fruit of commercial apple cultivars and their F1 progeny

L10 ANSWER 100 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Technoscope - Sorting by flow cytometry

=> d 81 87 bib

L10 ANSWER 81 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

Full Text

AN 1999:504844 SCISEARCH

GA The Genuine Article (R) Number: 209WL

TI Retroviral gene transfer into human hematopoietic cells: an in vitro kinetic study

AU Briones J; Puig T; Limon A; Petriz J; Garcia J; Barquinero J (Reprint)

CS INST RECERCA ONCOL, DEPT CRYOBIOL CELL THERAPY, GRAN VIA KM 2-7, LHOSPITALET LLOBR 08907, BARCELONA, SPAIN (Reprint); INST RECERCA ONCOL, DEPT CRYOBIOL CELL THERAPY, LHOSPITALET LLOBR 08907, BARCELONA, SPAIN

CYA SPAIN

SO HAEMATOLOGICA, (JUN 1999) Vol. 84, No. 6, pp. 483-488.

Publisher: FERRATA STORTI FOUNDATION, STRADA NUOVA 134, 27100 PAVIA, ITALY.

ISSN: 0390-6078.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 33

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L10 ANSWER 87 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

Full Text

AN 1999:392064 SCISEARCH

GA The Genuine Article (R) Number: 196TC

TI Use of enhanced green fluorescent protein to optimize and quantitate infection of target cells with recombinant retroviruses

AU Cashion L M (Reprint); Bare L A; Harvey S; Trinh Q; Zhu Y; Devlin J J

CS BERLEX BIOSCI, DEPT BIOL RES, 16049 SAN PABLO AVE, RICHMOND, CA 94804 (Reprint)

CYA USA

SO BIOTECHNIQUES, (MAY 1999) Vol. 26, No. 5, pp. 924-.

Publisher: EATON PUBLISHING CO, 154 E. CENTRAL ST, NATICK, MA 01760.

ISSN: 0736-6205.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 24

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

=> d 42 bib ab

L10 ANSWER 42 OF 146 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

Full Text

AN 2000:372805 SCISEARCH

GA The Genuine Article (R) Number: 312PE

TI Efficient transduction of human hematopoietic repopulating cells
generating stable engraftment of transgene-expressing cells in NOD/SCID
miceAU Barquinero J; Segovia J C; Ramirez M; Limon A; Guenechea G; Puig T;
Briones J; Garcia J; Bueren J A (Reprint)CS CIEMAT, DEPT MOL CELLULAR BIOL, E-28040 MADRID, SPAIN (Reprint); CIEMAT,
DEPT MOL CELLULAR BIOL, E-28040 MADRID, SPAIN; INST RECERCA ONCOL, DEPT
CELL THERAPY, BARCELONA, SPAIN

CYA SPAIN

SO BLOOD, (15 MAY 2000) Vol. 95, No. 10, pp. 3085-3093.

Publisher: AMER SOC HEMATOLOGY, 1900 M STREET. NW SUITE 200, WASHINGTON,
DC 20036.

ISSN: 0006-4971.

DT Article; Journal

FS LIFE; CLIN

LA English

REC Reference Count: 51

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB In an attempt to develop efficient procedures of human hematopoietic gene therapy, retrovirally transduced CD34(+) cord blood cells were transplanted into NOD/SCID mice to evaluate the repopulating potential of transduced grafts. Samples were prestimulated on Retronectin-coated dishes and infected with gibbon ape leukemia virus (GALV)-pseudo-typed FMEV vectors encoding the enhanced green fluorescent protein (EGFP). Periodic analyses of bone marrow (BM) from transplanted recipients revealed a sustained engraftment of human hematopoietic cells expressing the EGFP transgene. On average, 33.6% of human CD45(+) cells expressed the transgene 90 to 120 days after transplantation. Moreover, 11.9% of total NOD/SCID BM consisted of human CD45(+) cells expressing the EGFP transgene at this time. The transplantation of purified EGFP(+) cells increased the proportion of CD45(+) cells positive for EGFP expression to 57.7% at 90 to 120 days after transplantation. At this time, 18.9% and 4.3% of NOD/SCID BM consisted of CD45(+)/EGFP(+) and CD34(+)/EGFP(+) cells, respectively. Interestingly, the transplantation of EGFP(-) cells purified at 24 hours after infection also generated a significant engraftment of CD45(+)/EGFP(+) and CD34(+)/EGFP(+) cells, suggesting that a number of transduced repopulating cells did not express the transgene at that time. Molecular analysis of NOD/SCID BM confirmed the high levels of engraftment of human transduced cells deduced from FACS analysis. Finally, the analysis of the provirus insertion sites by conventional Southern blotting indicated that the human hematopoiesis in the NOD/SCID BM was predominantly oligoclonal. (C) 2000 by The American Society of Hematology.

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

43.54

57.53

STN INTERNATIONAL LOGOFF AT 11:44:38 ON 02 SEP 2003